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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/615,419	07/09/2003	Bajko Gabor	56943.00299	7976
32294 7590 12/02/2008 SQUIRE, SANDERS & DEMPSEY L.L.P. 8000 TOWERS CRESCENT DRIVE 14TH FLOOR VIENNA, VA 22182-6212				
EXAMINER HOANG, DANIEL L				
ART UNIT		PAPER NUMBER		
2436				
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**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

### Office Action Summary

**Application No.**

10/615,419

**Applicant(s)**

GABOR ET AL.

**Examiner**

DANIEL L. HOANG

**Art Unit**

2436

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --  
**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 20 August 2008.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1, 2, 5-8, 12, 26, 28, 29, 31-33, 35 and 37-57 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-2, 5-8, 12, 26, 28-29, 31-33, 35 and 37-57 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- 1) ☐ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO/SB/08)  
Paper No(s)/Mail Date \_\_\_\_\_
- 4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date \_\_\_\_\_
- 5) ☐ Notice of Informal Patent Application
- 6) ☐ Other: \_\_\_\_\_

## DETAILED ACTION

### RESPONSE TO ARGUMENTS

Applicant's arguments filed 8/20/08 have been considered but are not persuasive.

Applicant argues the following:

- a) Pirttimaa fails to disclose or suggest "creating a security association between the first node and the second node based on the prefix value". More specifically, applicant argues that Pirttimaa teaches that sending the SIP REGISTER message happens after the security association is set up therefore the SIP REGISTER message cannot be interpreted as being the same as the prefix value in the present claims.
- b) Pirttimaa fails to disclose or suggest "security association" because it is a term in the art understood to involve the passing of secrets or keys in order that a secure connection between communicating parties may be established.
- c) Pirttimaa fails to disclose the security association being valid for multiple IP addresses.

In regards to a), examiner respectfully disagrees. As per paragraph 39 of the Pirttimaa reference, a security association is set up between the UE and P-CSCF. This is in line with applicant's interpretation. Paragraph 42 clearly shows that a SIP request message is sent from the UE to the P-CSCF and the P-CSCF performs an address comparison in which an IP address or at least a part (e.g. a unique prefix) of the IP address is compared with the IP address indicated in a header. The SIP request message containing the unique prefix is viewed as analogous to the claimed "prefix value". Applicant's arguments pertaining to the SIP REGISTER message are thus moot. As was noted in the previous action, Paragraphs 40-42 were cited, which include the SIP request message which is clearly used to set up a security association between the UE and P-CSCF. The alleged argument that the SIP REGISTER message is sent after a security association does not pertain to the application of the art.

In regards to b), examiner respectfully disagrees. Please see paragraph 39, "shared keys".

In regards to c), examiner respectfully disagrees. Please see paragraph 43, "true' source address".

Based on the above responses to applicant's arguments, the previous office action's rejections are maintained.

### **CLAIMS PRESENTED**

Claims 1-2, 5-8, 12, 26, 28-29, 31-33, 35, and 37-57 are presented.

#### ***Specification***

1. The specification is objected to as failing to provide proper antecedent basis for the claimed subject matter. See 37 CFR 1.75(d)(1) and MPEP § 608.01(o). Correction of the following is required: Claims 40 and 41 recites the limitation "computer readable medium" in line 1. There is insufficient antecedent basis for this limitation in the claim. Applicant's specification does not cite a computer readable medium. Appropriate correction is required.

### **CLAIM REJECTIONS**

#### ***Claim Rejections - 35 USC § 102***

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this

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subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

**Claims 1-2, 5-8, 12, 26, 28-29, 31-33, 35, and 37-57 are rejected under 35 U.S.C. 102(e) as being anticipated by Pirttimaa (US PGP No. 20030154400).**

**As per claim 1 and 26, 29, 31-32, 38, 40-41, Pirttimaa teaches:**

A method comprising:

forwarding a prefix value to a node in a packet switched environment to create a security association with the node based on the prefix value, said prefix value referring to a portion of a internet protocol address.

*[see paragraph 40, 42] UE140 is interpreted as the first node, P-CSCF is interpreted as the second node, the SIP register message with address included is interpreted as the prefix value being forwarded.*

wherein the security association is valid for a plurality of different internet protocol addresses, each of said plurality of internet protocol addresses comprising said portion of the first internet protocol address to which the prefix value refers.

*[see paragraph 43]*

**As per claim 2 and 42, 52, Pirttimaa teaches:**

A method as claimed in claim 1, wherein the packet switched environment is a IP Multimedia Subsystem (IMS) of a 3rd generation (3G) network.

*[see paragraph 2]*

**As per claim 3 and 43, Pirttimaa teaches:**

A method as claimed in claim 1, wherein the first node is User Equipment (UE).

*[see rejection of claim 1]*

**As per claim 53, Pirttimaa teaches:**

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A method as claimed in claim 1, wherein the second node is a Proxy Call State Control Function (P-CSCF)

*[see rejection of claim 1, "P-CSCF"]*

**As per claim 5 and 45, Pirttimaa teaches:**

A method as claimed in claim 1, wherein the message is a protocol message.

*[see rejection of claim 1, "SIP Register"]*

**As per claim 6 and 46, Pirttimaa teaches:**

A method as claimed in claim 5, wherein the protocol is a Session Initiation Protocol (SIP).

*[see rejection of claim 5]*

**As per claim 7 and 47, 55, Pirttimaa teaches:**

A method as claimed in claim 1, wherein the message is a SIP REGISTER message.

*[see paragraph 40]*

**As per claim 8 and 48, 56, Pirttimaa teaches:**

A method as claimed in claim 1, wherein the prefix value is included in a header of the message.

*[see rejection of claim 1 wherein the SIP register message includes the address in the header.]*

**As per claim 12, Pirttimaa teaches:**

The method as claimed in claim 1, wherein the prefix value is allocated by a gateway general packet radio service support node.

*[see paragraph 42, wherein the prefix is derived from a received IP datagram conveying the SIP message]*

**As per claim 49 and 57, Pirttimaa teaches:**

A method as claimed in claim 8, wherein the header is a Security-Client header.

*[see paragraph 42]*

**As per claim 50, Pirttimaa teaches:**

A method as claimed in claim 9, wherein the prefix value is included in an extension parameter of the Security-Client header.

*[see rejection of claim 8]*

**As per claim 51, Pirttimaa teaches:**

A method as claimed in claim 1, wherein the prefix value is allocated by a Gateway GPRS Support Node (GGSN).

*[see paragraph 4]*

**As per claim 28 and 44 and 54, Pirttimaa teaches:**

A method as claimed in claim 1, wherein the forwarding of the prefix value from the first node to the second node comprises forward the prefix value in a message.

*[see rejection of claim 1 wherein the prefix value is sent in a SIP request message]*

**As per claim 33, 35, 37, and 39, Pirttimaa teaches:**

The method as claimed in claim 1, wherein the first internet protocol address and another of the plurality of internet protocol addresses, are internet protocol addresses of the same apparatus.

*[see paragraph 43]*

***Conclusion***

1. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

### POINTS OF CONTACT

- \*. Any response to this Office Action should be **faxed to (571) 273-8300 or mailed to:**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**Hand-delivered responses** should be brought to

Customer Service Window  
Randolph Building  
401 Dulaney Street  
Alexandria, VA 22314

- \*. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Daniel L. Hoang whose telephone number is 571-270-1019. The examiner can normally be reached on Monday - Thursday, 8:00 a.m. - 5:00 p.m., EST.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Nasser Moazzami can be reached on 571-272-4195. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

*Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).*

/Daniel L. Hoang/  
Examiner, Art Unit 2436

/Carl Colin/  
Primary Examiner, Art Unit 2436  
11/24/2008



